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Attorney Docket No.
10001-32102

Loraine Perry
(Type Name of Person Mailing Correspondence)

January 10, 2005

Signature

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 6,836,507 B1

Issued: December 28, 2004

Name of Patentee: Gifford et al.

Title: SYMBOL SYNCHRONIZER FOR SOFTWARE DEFINED
COMMUNICATIONS SYSTEM SIGNAL COMBINER

Certificate
JAN 21 2005
of Correction

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
FOR PTO MISTAKE (37 CFR 1.322(a))

Sir:

Applicant's attorney has identified a number of errors in the printed patent. These errors appear to have been introduced by the Patent Office in the printing process. Applicant respectfully requests that the Office issue a Certificate of Correction in the form attached (Form PTO-1050, in duplicate, with at least one copy being suitable for printing).

The exact column and line numbers where the errors occur in the patent are as follows:

Column 8, line 45, delete " $\underline{t}^{(k+1)} = t^k - cm_t \gamma_t \text{Re}[\epsilon_{pq(k)} * \text{diag}\{w_1^*, w_2^*\} \underline{x}_k^*]$ " and
insert " $\underline{t}^{(k+1)} = t^k - cm_t \gamma_t \text{Re}[\epsilon_{pq(k)} * \text{diag}\{w_1^*, w_2^*\} \underline{x}_k^*]$,"

JAN 21 2005

Column 8, line 65, delete " $\underline{x}_k^* \equiv [\partial x_{k1} / t_1 \ \partial x_{k2} / t_2]^T$;" and insert -- $\underline{\dot{x}}_k \equiv [\partial x_{k1} / t_1 \ \partial x_{k2} / t_2]^T$ --

Column 9, line 3, delete " $J_{pq} = E\{| |y_k|^{p-\delta_p} | \}$ " and insert -- $J_{pq} = E\{| |y_k|^p - \delta_p | \}$ --

The correct information can be found in the specification filed on August 14, 2000.

Please send the Certificate of Correction to:

Patent and Trademark Docket Clerk
Jenner & Block LLP
One IBM Plaza
Chicago, IL 60611

Respectfully submitted,



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JAN 21 2005

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,836,507 B1
DATED : December 28, 2004
INVENTOR(S) : Gifford et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 8, line 45, delete " $t^{(k+1)} = t^k - \text{cm}_t \gamma_t \text{Re}[\epsilon_{pq(k)} * \text{diag}\{w_1^*, w_2^*\} \underline{x\&}_k^*]$ " and insert

$$--t^{(k+1)} = t^k - \text{cm}_t \gamma_t \text{Re}[\epsilon_{pq(k)} * \text{diag}\{w_1^*, w_2^*\} \underline{\dot{x}}_k^*]--$$

Column 8, line 65, delete " $\underline{x\&}_k^* \equiv [\partial x_{k1} / t_1 \quad \partial x_{k2} / t_2]^T$;" and insert " $\underline{\dot{x}}_k^* \equiv [\partial x_{k1} / t_1 \quad \partial x_{k2} / t_2]^T$;"

Column 9, line 3, delete " $J_{pq} = E\{|y_k|^{p-\delta_p}\}$ " and insert " $--J_{pq} = E\{|y_k|^p - \delta_p\}--$ "

MAILING ADDRESS OF SENDER:

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Chicago, IL 60611

PATENT NO. 6,836,507

No. of additional copies

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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